

## LIST OF CLAIMS

1-20. (Cancelled).

21. (Currently Amended) A nucleotide triphosphate comprising a covalently attached electron transfer moiety comprising a transition metal ~~complex~~ and at least one ligand.

22. (Previously presented) The nucleotide according to claim 21 wherein said electron transfer moiety is attached to the ribose of said nucleotide.

23. (Previously presented) The nucleotide according to claim 21 wherein said electron transfer moiety is attached to the ribose via a linker at the 2' position.

24. (Previously presented) The nucleotide according to claim 21 wherein said electron transfer moiety is a transition metal complex.

25. (Previously presented) The nucleotide according to claim 24 wherein said transition metal complex comprises a ruthenium atom.

26. (Previously presented) The nucleotide according to claim 24 wherein said transition metal complex comprises an iron atom.

27. (Previously presented) A method of making a nucleic acid comprising a covalently attached electron transfer moiety comprising a transition metal complex, said method comprising:

- a) providing a nucleotide comprising a covalently attached electron transfer moiety comprising a transition metal ~~complex~~ and at least one ligand;
- b) converting said nucleotide into a modified nucleotide triphosphate; and
- c) incorporating said modified nucleotide triphosphate in a synthetic reaction to form a nucleic acid with a covalently attached electron transfer moiety.

28. (Previously presented) The method according to claim 27 wherein said electron transfer moiety is attached to the ribose of said nucleotide.

29. (Previously presented) The method according to claim 27 wherein said electron transfer moiety is attached to the ribose via a linker at the 2' position.

30. (Previously presented) The method according to claim 27 wherein said electron transfer moiety is a transition metal complex.

31. (Previously presented) The method according to claim 30 wherein said transition metal complex comprises ruthenium.

32. (Previously presented) The method according to claim 30 wherein said transition metal complex comprises iron.